

DATA INPUT METHOD AND DEVICE FOR A COMPUTER SYSTEM

ABSTRACT OF THE DISCLOSURE

A data input method and device is designed for use with a computer system, which allows the user to input computer data, such as keyboard characters including alphabetic letters, numbers, special marks, and control codes, into the computer system. The proposed data input method and device allows the user to input data to the computer system by means of bending his/her five hand digits in a specified manner representing a keyboard character intended for input to the computer system. The bending of the user's five hand digits will then cause wrist muscle movements which can be then sensed by a piezoelectric element in the data input device. In response, the piezoelectric element generates a corresponding electrical signal which is then converted into binary form and transmitted via cable or wireless link to the computer system. Inside the computer system, the CPU searches through a predefined character mapping table to find the character corresponding to the received signal from the data input device, and then displays the retrieved character on the monitor screen, completing the input of one keyboard character to the computer system.

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